# AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

| 1. CONTRACT ID CODE | |
|---|---|

| 2. AMENDMENT/MODIFICATION NO. | 3. EFFECTIVE DATE | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
|---|---|---|---|
| 01 | 03/24/2009 | CB 090078 | RFP 090025 |

| 6. ISSUED BY | CODE | 7. ADMINISTERED BY (If other than Item 6) | CODE |
|---|---|---|---|
| AOC - Procurement Division<br>2nd & D Streets, SW<br>Room H2-263<br>WASHINGTON, DC 20515 | 9901 | | |

| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, country, state and ZIP Code) | (X) | 9A. AMENDMENT OF SOLICITATION NO. |
|---|---|---|
| | | RFP090025 |
| | X | 9B. DATED (SEE ITEM 11)<br>02/25/2009 |
| | | 10A. MODIFICATION OF CONTRACT/ORDER NO. |
| | | 10B. DATED (SEE ITEM 11) |
| CODE / FACILITY CODE | | |

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers [ ] is extended, [X] is not extended,

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning __1__copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

| CHECK ONE | |
|---|---|
| | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| | D. OTHER (Specify type of modification and authority) |

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitaiton/contract subject matter where feasible.)

Amendment No. 1 as follows:

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br>Lauren Wilson<br>Contracting Officer (202) 226-1932 | |
|---|---|---|---|
| 15B. CONTRACTOR/OFFEROR<br>(Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA<br>By (Signature of Contracting Officer) | 16C. DATE SIGNED<br>03/24/2009 |

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Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA FAR (48 CFR) 53.243

**Summary Info Continuation Page**

7. TABLE OF CONTENTS



Contractor to provide all materials, equipment, labor and supplies necessary for the Modernization of Elevator H-9 in the United States Capitol Building, Washington, D.C. in accordance with the Contract Documents and Drawings.

## BASE

| Number | Commodity Name | Quantity | Unit of Issue | Unit Price ($) | Total Cost ($, Inc. disc) |
|---|---|---|---|---|---|
| 1 | Construction Services | Total : 1.000000 | JB | $ | $ |
| | **Description:**Modernize all components of Elevator H9 in the U.S. Capitol. To include controls, fixtures, cab and door equipment, and to meet ADA requirements in accordance with the specifications and drawings. AOC Project CB05047, Elevator H9 Modernization, USC. | | | | |

Lump-Sum Price for Base $

8 Amendment No. 1

This Amendment No. 1 is issued to the above referenced Solicitation Number to replace pages with those that have corrections and/or changes made to them. Please replace the following pages with those currently in the solicitation package.

| Remove Page(s) | Insert Pages |
|---|---|
| Lead Abatement Procedures, Page 1 - 13 | Lead Abatement Procedures, Page 1 - 13 |

On the contract drawing change the lighting fixture description from 4-1/2 inch Dia. I.D. Lightolier #8011 CW/VU/120V/18W to 3 inch I.D.MAN-D-TEC lighting fixture.

**ATTACHMENT:**

Lead Abatement Procedures, 13 pages

Questions and Government Responses, 1 page

Site Visit Attendees, 2 pages

# SECTION 028313 - LEAD ABATEMENT PROCEDURES

## PART 1 - GENERAL

### 1.1 DESCRIPTION

A. **This section** specifies abatement and disposal of lead containing products and controls needed to limit occupational and environmental exposure to lead hazards.

### 1.2 SCOPE OF WORK

A. **Prior to starting work**, the contractor will perform testing of all surfaces to be disturbed during asbestos abatement and mold removal activities for the presence of lead based paint.

1. If lead based paint is detected above the permissible levels outlined in this specification section and applicable publications, the contractor shall submit a proposed change to abate the lead based paint in all areas to be disturbed.

### 1.3 APPLICABLE PUBLICATIONS

A. **The publications** listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

B. **CODE OF FEDERAL REGULATIONS (CFR):**

| | |
|---|---|
| CFR 29 Part 1910 | Occupational Safety and Health Standards |
| CFR 29 Part 1926 | Safety and Health Regulations for Construction |
| CFR 40 Part 148 | Hazardous Waste Injection Restrictions |
| CFR 40 Part 260 | Hazardous Waste Management System: General |
| CFR 40 Part 261 | Identification and Listing of Hazardous Waste |
| CFR 40 Part 262 | Standards Applicable to Generators of Hazardous Waste |
| CFR 40 Part 263 | Standards Applicable to Transporters of Hazardous Waste |
| CFR 40 Part 264 | Standards for Owners and Operations of Hazardous Waste Treatment, Storage, and Disposal Facilities |
| CFR 40 Part 265 | Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities |
| CFR 40 Part 268 | Land Disposal Restrictions |
| CFR 49 Part 172 | Hazardous Material Table, Special Provisions, Hazardous Material Communications, Emergency Response Information, and Training Requirements |
| CFR 49 Part 178 | Specifications for Packaging |

C. **National Fire Protection Association (NFPA):**

| | |
|---|---|
| NFPA 701-1989 | Methods of Fire Test for Flame-Resistant Textiles and Films |

D. **National Institute For Occupational Safety And Health (NIOSH)**

NIOSH OSHA Booklet 3142 Lead in Construction

E. **Underwriters Laboratories (UL):**

UL 586-1990 High-Efficiency, Particulate, Air Filter Units

F. **American National Standards Institute:**

Z9.2-1979(R1991) Fundamentals Governing the Design and Operation of Local Exhaust Systems.

G. **HUD's Guidelines for the Evaluation and Control of Lead - Based Paint Hazards in Housing**

1.4 **DEFINITIONS**

A. **Action Level**: Employee exposure, without regard to use of respirations, to an airborne concentration of lead of 30 micrograms per cubic meter of air averaged over an 8-hour period. As used in this section, 30 micrograms per cubic meter of air" refers to the action level.

B. **Area Monitoring**: Sampling of lead concentrations which is representative of the airborne lead concentrations which may reach the breathing zone of personnel potentially exposed to lead.

C. **Physical Boundary**: Area physically roped or partitioned off around an enclosed lead control area to limit unauthorized entry of personnel. As used in this section, "inside boundary" shall mean the same as "outside lead control area."

D. **Certified Industrial Hygienist (CIH):** As used in this section, refers to an Industrial Hygienist employed by the contractor and is certified by the American Board of Industrial Hygiene in comprehensive practice.

E. **Change Rooms and Shower Facilities:** Rooms within the designated physical boundary around the lead control area equipped with separate storage facilities for clean protective work clothing and equipment and for street clothes which prevent cross- contamination.

F. **Competent Person:** A person capable of identifying lead hazards in the work area and is authorized by the contractor to take corrective action.

G. **Decontamination Room:** Room for removal of contaminated personal protective equipment (PPE).

H. **Eight-Hour Time Weighted Average (TWA):** Airborne concentration of lead averaged over an 8-hour workday to which an employee is exposed.

I. **High Efficiency Particulate Air (HEPA) Filter Equipment:** HEPA filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining lead-contaminated paint dust. A high efficiency particulate filter means 99.97 percent efficient against 0.3 micron size particles.

J. **Lead:** Metallic lead, inorganic lead compounds, and organic lead soaps. Excluded from this definition are other organic lead compounds.

K. **Lead Control Area:** An enclosed area or structure with full negative pressure containment to prevent the spread of lead dust, paint chips, or debris of lead-containing material removal operations. The lead control area is isolated by physical boundaries to prevent unauthorized entry of personnel.

L. **Lead Permissible Exposure Limit (PEL):** Fifty micrograms per cubic meter of air as an 8-hour time weighted average as determined by 29 CFR 1926.62. If an employee is exposed for more than 8 hours in a work day, the PEL shall be determined by the following formula. PEL (micrograms/cubic meter of air) = 400/No. of hrs worked per day

M. **Personnel Monitoring:** Sampling of lead concentrations within the breathing zone of an employee to determine the 8-hour time weighted average concentration in accordance with 29 CFR 1926.62. Samples shall be representative of the employee's work tasks. Breathing zone shall be considered an area within a hemisphere, forward of the shoulders, with a radius of 150 mm to 225 mm (6 to 9 inches) and the center at the nose or mouth of an employee.

N. **Architect:** The Architect of the Capitol.

## 1.5 QUALITY ASSURANCE

A. **Before exposure** to lead-contaminated dust, show evidence that workers have completed the comprehensive medical examination as required by 29 CFR 1926.62 (I) (1) (i) & (ii). The examination shall not be required if adequate records show that employees have been examined as required by 29 CFR 1926.62(i) within the last year.

B. **Medical Records:** Maintain complete and accurate medical records of employees in accordance with 29 CFR 1910.20.

C. **The Contractor** shall engage the services of an Certified Industrial Hygienist (CIH) certified by the American Board of Industrial Hygiene (ABIH) in Comprehensive Practice. Selection of the CIH is subject to approval of the Architect. The CIH will be responsible for, but not limited to the following:

1. **Certify** Training.
2. **Review, approve and submit** to the Architect's representative, all lead-containing material removal plan for conformance to the applicable referenced standards.

3. **Inspect and or oversee** the inspection of, all lead-containing material removal work for conformance with the approved plan.
4. **Develop** a monitoring plan and/or perform the monitoring. This is to include samples to test airborne levels of lead to determine exposure.
5. **Ensure work** is performed in strict accordance with specifications at all times.
6. **Ensure hazardous exposure** to personnel and to the environment are adequately controlled at all times.
7. **Visually inspect** all lead control areas for cleanliness and perform floor dust wipe testing.
8. **Review and approve** and submit to the Architect's representative, all sampling data within the time frames outlined in this specification.
9. **Review, approve and submit** to the Architect, the Contractor's lead compliance program in accordance with 29 CFR 1926.62(e)(2).

    a. The CIH may delegate the performance of his work, (except for the reviews and approval of plans, programs and sampling strategies), to Industrial Hygienist (IH) he selects, who are qualified by virtue of their training and work experiences to perform tasks. The CIH shall supervise the IH or all of the IH (s) and will be responsible for and review all results of their work. The selection of the CIH and the IH (s), is subject to approval of the Architect.

D. **Training:** Train each employee performing lead paint removal, lead containing material removal, disposal, and air sampling operations prior to the time of initial job assignment, in accordance with 29 CFR 1926.62.

E. **Training Certification:** The CIH shall certify all contractor employee Lead Training Certificates. These documents shall be submitted to the Architect as directed by section 1.6.D.6.c of this specification.

F. **Respiratory Protection Program:**

1. Furnish each employee required to wear a negative pressure respirator or other appropriate type with a respirator fit test at the time of initial fitting and at intervals that are required by 29 CFR 1910.134.
2. The contractor shall establish and implement a respiratory protection program that has been approved and certified by the project CIH as required by 29 CFR 1910.134, 29 CFR 1910.1025, and 29 CFR 1926.62.

G. **Hazard Communication Program:** The contractor shall establish and implement a Hazard Communication program that has been approved and certified by the project CIH as required by 29 CFR 1910.1200. Once approved by the Architect and before any work starts, the contractor shall implement this plan.

I. **Safety and Health Compliance:**

1. **In addition** to the detailed requirements of this specification, comply with laws, ordinances, rules, and regulations of federal, state, and local authorities regarding

removing, handling, storing, transporting, licensing and disposing of lead waste materials. Comply with the applicable requirements of the current issue of 29 CFR 1926.62 and this specification. Submit matters regarding interpretation of standards to the Architect for resolution before starting work.

2. **Where specification** requirements and the referenced documents vary, the most stringent requirements shall apply.

J. **Pre-Construction Conference:** Ten (10) days before beginning any lead containing material removal, the CIH and removal contractor shall meet with the Architect's Occupational Health, Environmental, and Safety Office representative to discuss in detail the lead-containing paint and or material removal work plan. The topic of the Pre-Construction Conference shall include work procedures and precautions for the work plan.

K. **Supervision:** The competent person assigned to this operation by the contractor, shall be required to be onsite and supervising any and all work being performed inside the Lead Control area.

## 1.6 SUBMITTAL

A. **General:** No work involving the removal of lead containing materials shall begin until all submittals required by this specification are approved by the Architect.

B. **Hazardous Waste Management:**

1. **Submit a Hazardous Waste Management Plan** within 14 days after award of contract to the Architect for approval. The Hazardous Waste Management plan shall comply with applicable requirements of Federal, State, and local hazardous waste regulations and address:

a. Procedures to segregate abatement wastes into separate waste streams to minimize the quantity of hazards waste generated.
b. Testing to identify hazardous wastes associated with the work.
c. Estimated quantities of wastes to be generated and disposed of.
d. Transporter / disposal facility documentation including, name, location, EPA identification number, hazardous waste permits and a 24 hour point of contact.
e. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes.
f. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment.
g. Spill prevention, containment, and cleanup contingency measures to be implemented.
h. Procedures and schedule for waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily.

2. **Obtain Architect's generator EPA** identification number from the Architect. Contact the Architect's Safety and Occupational Health Branch's representative for this information.

B. **Manufacturer's Catalog Data:**

1. HEPA Vacuums
2. Respirators
3. HEPA filtered negative air machines.
4. LBP Removal Chemicals.
5. All other tools or equipment that the contractor plans on using to remove Lead - Containing materials.

C. **Instructions:** Paint removal materials. Include applicable material safety data sheets.

D. **Statements Certifications and Statements:**

1. **Qualifications of CIH:** Submit to the Architect for approval the name, address, and telephone number of the CIH selected to perform responsibilities in paragraph entitled "CIH Responsibilities." Provide previous experience of the CIH on five (5) projects of comparable size, cost and complexity. Submit proper documentation that the Industrial Hygienist is certified by the American Board of Industrial Hygiene in comprehensive practice, including certification number and date of certification/re-certification.
2. **Qualifications of Competent Person:** Submit to the Architect for approval the name, address, and telephone number of the Competent Person assigned to supervise this operation. Provide all previous experience of the Competent Person related to Lead Abatement operations.
3. **Testing Laboratory:** Submit to the Architect for approval, the name, address, and telephone number of the testing laboratory selected to performing the analysis and reporting of airborne concentrations of lead wipes, and TCLP sampling. Provide proper documentation that persons performing the analysis have been judged proficient by successful participation within the last year in the American Industrial Hygiene Association (AIHA). Environmental Lead Proficiency Analytical Testing Program (ELPAT). The laboratory shall be accredited by the American Industrial Hygiene Association (AIHA). Provide AIHA and ELPAT documentation along with date of accreditation / re-accreditation.
4. **Lead-Containing Material Removal Plan:** Ten (10) days before work starts, submit to the Architect for approval, a detailed job-specific plan, approved by the CIH, of work procedures to be used in the removal of lead-containing paint or materials. The plan shall include the name of the Competent Person assigned to supervise the operation, a sketch showing the location, size, and details of lead control areas, type of containment materials used, location and details of decontamination rooms, change rooms, shower facilities, and HEPA filtered mechanical ventilation system.

    a. Include in the plan, eating, drinking, smoking and restroom procedures, interface of trades, sequencing of lead related work, collected wastewater and lead paint and/or lead containing material debris disposal plan, air sampling plan, respirators, protective equipment, and a detailed description of the method of containment of the operation to ensure that airborne lead concentrations of less

than 20 micrograms per cubic meter ($\mu g/mg^3$ ) of air are not exceeded outside of the lead control area.

b. Include air and floor wipe sampling, strategy, sampling methodology, frequency, duration of sampling, and qualifications and training of air monitoring personnel in the sampling portion on the plan.

5. **Field Test Reports:** Monitoring Results: Submit all monitoring results to the Architect's Occupational Health, Environmental, and Safety Office representative, by the next work day. All monitoring and floor wipe test results shall be signed by the testing laboratory, the employee performing the sampling, the employee that analyzed the sample, and the CIH. The quickest turn around time available, shall be used for all floor wipe tests, taken to clear a lead control area.
6. **Records:**

a. Submit completed and signed hazardous waste manifest from treatment or disposal facility.
b. Before work starts, submit to the Architect for approval, certification of Medical Examinations as required by 29 CFR 1926.62. The CIH shall certify that all employees, who will be engaged in lead - containing material removal operations, have been medically cleared as required by 29 CFR 1926.62.
c. Before work starts, submit to the Architect for approval, certification of employee training certified by the CIH.
d. Before work starts, submit to the Architect for approval, the CIH approved, the contractor's employee respiratory protection program.
e. Before work starts, submit to the Architect for approval, certification of employees respirator fit testing certified by the CIH.
f. Before work starts, submit to the Architect for approval, the CIH approved copy of the Hazard Communication Program as required by 29 CFR 1910.1200.
g. Before work starts, submit to the Architect for approval, the Contractor's CIH approved lead compliance program in accordance with 29 CFR 1926.62(e)(2).

## PART 2 PRODUCTS

### 2.1 PAINT REMOVAL PRODUCTS:

A. **Submit for approval,** applicable Material Safety Data Sheets for paint removal products used in paint removal work. Use the least toxic product, suitable for the job and acceptable to the CIH.

## PART 3 EXECUTION

### 3.1 PROTECTION

A. **Notification:** Notify the Architect's Occupational Health, Environmental, and Safety Office representative 10 days prior to the start of any lead abatement work.

B. **Lead Control Area Requirements:**

1. **Establish a lead control area** by completely enclosing with 6 mil poly, where lead-containing material removal operations will be performed.
2. **Contain removal operations** to prevent the migration of construction dust from the lead control area. This may be accomplished through the use of industry standard engineering controls and work practices including a negative pressure full containment system with at least one change room and with HEPA filtered exhaust, exhausted to the outside of the building. The negative pressure containment, shall have a minimum of 4 air changes per hour. The contractor shall maintain a -0.020 column inches of water pressure differential, relative to outside pressure. This measurement shall be recorded and maintained within the enclosure as evidenced by manometric measurements and maintained around the clock, or until authorization for containment removal is obtained from the Architect. Hourly readings shall be recorded while lead removal work is being performed. Anytime the negative pressure is less than -0.020 column inches of water pressure differential, relative to outside pressure, all lead removal work inside the containment will stop. The work may be restarted only after the negative pressure is restored to a level of -0.020 column inches of water pressure differential or greater, relative to outside pressure.

C. **Protection of Existing Work to Remain:** Perform Lead - Containing Material removal work without damage or contamination of adjacent areas. Where existing work is damaged or contaminated, the contractor will restore it to its original condition at no additional cost to the government.

D. **Boundary Requirements:** Provide physical boundaries around the lead control area by sealing off the area [As designated on the approved work plan] to ensure that airborne concentrations of lead will not reach 20 $\mu g/mg^3$ of air outside of the lead control area.

E. **Heating, Ventilating and Air Conditioning (HVAC) Systems:** Shut down, lock out, and isolate HVAC systems that supply, exhaust, or pass through the lead control areas. Seal intake and exhaust vents in the lead control area with 6-mil plastic sheet and tape. Seal seams in HVAC components that pass through the lead control area.

F. **Change Room and Shower Facilities:** Provide clean change rooms and shower facilities within the physical boundary around the designated lead control area in accordance with requirements of 29 CFR 1926.62.

G. **Mechanical Ventilation System:**

1. **Use adequate ventilation** to control personnel exposure to lead in accordance with 29 CFR 1926.62.

H. **Personnel Protection:** Personnel shall wear and use protective clothing and equipment as specified herein. Eating, smoking, drinking or application of makeup is not permitted in the

lead control area. The CIH shall initially select the appropriate respiratory protection to be used by the employees as required by 29 CFR 1926.62.

I. **Warning Signs:** Provide warning signs at approaches to lead control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall comply with the requirements of 29 CFR 1926.62.

## 3.2 WORK PROCEDURES

A. **Perform removal of Lead-Containing Material** in accordance with approved Lead-Containing Material removal plan. The assigned Competent Person shall supervise the work and will be on site anytime work in the Lead Control area is on-going. This person shall use procedures and equipment required to limit occupational and environmental exposure to lead when Lead - Containing Material is removed in accordance with 29 CFR 1926.62, except as specified herein. Dispose of removed Lead-Containing Material, any paint chips and associated waste in compliance with Environmental Protection Agency (EPA), federal, state, and local requirements.

B. **Personnel Exiting Procedures:** Whenever personnel exit the lead-controlled area, they shall perform the following procedures and shall not leave the work until:

1. **Vacuum** themselves off.
2. **Remove protective clothing** in the decontamination room, and place them in an approved impermeable disposal bag.
3. **Shower or use other approved wash facilities.**
4. **Change** to clean clothes prior to leaving the physical boundary designated around the lead-contaminated job site.

C. **Monitoring:** Monitoring of airborne concentrations of lead shall be in accordance with 29 CFR 1926.62 and as specified herein. Air monitoring, testing, and reporting shall be performed by a CIH or an Industrial Hygiene (IH) Technician who is under the direction of the CIH.

1. **The CIH or the IH Technician** under the direction of the CIH shall be on the job site directing the monitoring, and inspecting the Lead - Containing Material removal work to ensure that the requirements of this specification are satisfied during the entire Lead - Containing Material removal operation.
2. **Personal air monitoring samples** shall be taken on employees who are anticipated to have the greatest risk of exposure as determined by the CIH.
3. **Submit results of air monitoring samples**, signed by the CIH, by the next work day after the air samples are taken. Notify the Architect immediately of exposure to lead at greater than or equal to 20 $\mu g/mg^3$ of air outside of the lead control area.

D. **Monitoring During Lead-Containing Material Removal Work:**

1. **Perform personal and area monitoring** during the entire Lead-Containing Material removal operation. Sufficient area monitoring shall be conducted at the physical

boundary outside the lead control area to ensure unprotected personnel are not exposed to airborne lead levels equal to or greater than 20 $\mu g/mg^3$ of air.

a. If the outside boundary lead levels are at or exceed 20 $\mu g/mg^3$ of air, work shall be stopped and the CIH shall notify the Architect immediately.

1) The CIH shall immediately investigate, perform necessary air and/or wipe sampling and render a decision as whether these areas are contaminated are not. The findings of the investigation and the results of any samples taken, shall be reported to the Architect immediately.
2) If the area investigated by the CIH is found to be contaminated with lead, the following procedures shall be followed:

a) Work in all lead containment operations shall remain halted.
b) The contractor shall decontaminate (clean up) the contaminated area.
c) The CIH shall determine the source and cause of the contamination, along with the necessary corrective measures to be taken.
d) The contractor shall decontaminate the contaminated area using the corrective measures outlined by the CIH.
e) The CIH shall visually inspect the "contractor cleaned" contaminated area and perform floor wipe tests. The number of floor wipe tests will be determined by the CIH. Results of the floor wipe tests shall be less than 40 $\mu g/ft^2$. The CIH shall submit copies of all sample results along with a certification that the area is no longer contaminated with lead.
f) If on the second try, the contractor is unable to achieve a floor wipe sample result of less than 40 $\mu g/ft^2$ for a particular area, the following procedures shall be followed:

1. The CIH shall render a decision as to what clearance level would be achievable for that particular area.
2. The CIH shall submit to the Architect this decision, along with copies of the sampling data for area, along with a certification that the area is no longer contaminated with lead.

G) The Architect will issue the authority to restart work in the lead control area, once the CIH certifies to the Architect, that the contaminated area has been successfully decontaminated.

2. **The CIH** shall review the sampling data collected on that day to determine if condition(s) requires any further change in work methods. Removal work shall resume when approval is given by the Architect.

3. **The Contractor** shall control the lead level outside of the work boundary to less than 20 $\mu g/mg^3$ of air at all times. As a minimum, conduct area monitoring daily on each shift in which Lead - Containing Material removal operations are

performed in areas immediately adjacent to the lead control area. If any outside the work boundary lead levels are at or exceed 20 µg/mg$^3$ of air, work shall be stopped and the CIH shall immediately correct the condition(s) causing the increased levels and notify the Architect immediately. Removal work shall resume when approval is given by the Architect.

## 3.3 LEAD-CONTAINING Material REMOVAL

A. **Remove Lead - Containing Material** within the areas designated on the approved Lead - Containing Material removal plan in order to completely expose the substrate. Take whatever precautions are necessary to minimize damage to the underlying substrate.

B. **Indoor Lead-Containing Material Removal:** Select Lead - Containing Material removal processes to minimize contamination of work areas with lead-contaminated dust or other lead-contaminated debris/waste. This Lead - Containing Material removal process shall be described in the Lead - Containing Material removal plan approved by the Architect.

C. **After beginning the Lead-Containing Material** removal operation or at the direction of the Architect, the following procedures shall be followed, concerning all reports of possible lead contamination in occupied spaces, within a building that has a Lead Control area:

1. **The CIH** shall immediately investigate, perform necessary air and/or wipe sampling and render a decision as whether these areas are contaminated and develop a corrective plan of action. The findings of the investigation and the results of any samples taken, shall be reported to the Architect immediately.
2. **If the area investigated** by the CIH is found to be contaminated with lead, the following procedures shall be followed:

    a. Work in all lead containment operations shall be halted.
    b. The contractor shall initiate the corrective plan of action plan developed by the CIH in order to decontaminate the area.
    c. The CIH shall determine the source and cause of the contamination, along with the necessary corrective measures to be taken to prevent a reoccurrence.
    d. Before any lead abatement work is restarted, the CIH must certify to the Architect, that the source and cause of the contamination has been corrected. Work may restart once approval from the Architect is received.
    e. The CIH shall visually inspect the "contractor cleaned" contaminated area and perform floor wipe tests. The number of floor wipe tests will be determined by the CIH. Results of the floor wipe tests shall be less than 40 µg/ft$^2$. The CIH shall submit copies of all sample results along with a certification that the area is no longer contaminated with lead.

    f. If on the second try, the contractor is unable to achieve a floor wipe sample result of less than 40 µg/ft$^2$ for a particular area, the following procedures shall be followed:

1) The CIH shall render a decision as to what clearance level would be achievable for that particular area.
2) The CIH shall submit to the Architect this decision, along with copies of the sampling data for area, along with a certification that the area is no longer contaminated with lead.

## 3.5 CLEANUP AND DISPOSAL:

A. **Cleanup:** Maintain surfaces of the lead control area free of accumulations of Lead - Containing Material chips and dust. Restrict the spread of dust and debris; keep waste from being distributed over the work area. Do not dry sweep or use compressed air to clean up the area. At the end of each shift and when the Lead - Containing Material removal operation has been completed, clean the area of all visible Lead - Containing Material contamination, dust and debris by vacuuming with a HEPA filtered vacuum cleaner and wet wipe and or mopping the area.

B. **Certification:** The CIH shall certify in writing the following:

1. **The inside and outside** of each lead control area air monitoring samples are less than 20 $\mu g/mg^3$.
2. **The respiratory protection** for the employees was adequate and the work procedures were performed in accordance with 29 CFR 1926.62 and this specification, and that there were no visible accumulations of lead-contaminated Lead - Containing Material and dust on the work site.
3. **The CIH** shall perform floor wipe test(s) by using methodology that is outlined in HUD's Guidelines for the Evaluation and Control of Lead - Based Paint hazards in Housing. A Lead Control area is considered complete if all floor wipe sample results are below 40 $\mu g/ft^2$. Do not remove the lead control area or roped-off boundary and warning signs prior to the Architect's approval and receipt of the CIH's certification.
4. **Re-clean and re-sample** any Lead Control area showing dust or residual Lead - Containing Material (chips) or floor wipe sample results that are above 40 $\mu g/ft^2$.
5. **If after the second attempt**, the contractor is unable to achieve a floor wipe sample result of less than 40 $\mu g /ft^2$ for a particular lead control area, the following procedures shall be followed:

    a. The CIH shall render a decision as to what clearance level would be achievable for that particular control area.
    b. The CIH shall submit this decision to the Architect for approval, along with copies of the sampling data for containment removal approval.

C. **Testing of Lead-Containing Material Residue:** Where indicated or when directed by the Architect, test all potential Lead - Containing waste by following the Toxicity Characteristic Leaching Procedure (TCLP) for lead in accordance with 40 CFR 261.

D. **Disposal:**

1. **Collect** all potential lead-contaminated waste, including but not limited to, removed paint chips, abrasive blast medium, architectural components, scrap, debris, bags, containers, equipment, and lead-contaminated clothing.
2. **For drummed waste,** store in U.S. Department of Transportation (49 CFR 178) approved 55-gallon drums to identify the type of waste (49 CFR 172) and the date lead contaminated wastes were first put into the drum.
   For architectural components, e.g., doors, windows, and molding, store so as to prevent environmental contamination. Six - mil plastic sheeting should be placed underneath and on top of the material; plywood or other durable material should be placed on top of the plastic to prevent it from being punctured. Transport waste in covered vehicle only.
3. **Periodically remove hazardous wastes** so that 90 calendar day storage limitation is not exceeded.
4. **Handle, store, transport, and dispose** lead or lead-contaminated waste in accordance with 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 40 CFR 265. Comply with land disposal restriction notification requirements as required by 40 CFR 268.
5. **Disposal Documentation:** Submit written evidence that the hazardous waste transporter and the treatment, storage, or disposal facility (TSDF) is approved for lead disposal by the EPA and state or local regulatory agencies. Submit one copy of the completed manifest, signed and dated by the initial transporter in accordance with 40 CFR 262. Submit Certification of disposal from TSDF.

END OF SECTION 028313

# "MODERNIZATION OF ELEVATOR H-9 IN THE UNITED STATES CAPITOL BUILDING, WASHINGTON, D.C."
# RFP NO. 090025

## Questions and Government Responses

Question 1: Is this project tax exempt?

Response: All items purchased for the Office of the Architect of the Capitol are for the exclusive use of the U.S. Government, and are exempt from state and local taxes. The Awardee may request a Tax Exempt Letter.

Question 2: Does this project require us to obtain and permit from the District of Colombia?

Response: No.

Question 3: Will we be required to use a third party inspection agency one the work is complete?

Response: No. The AOC has a certified (QEI) elevator inspector in-house, he will witness the acceptance testing.

**MODERNIZATION OF ELEVATOR H-9 IN THE UNITED STATES CAPITOL BUILDING, WASHINGTON, D.C.**

**SITE VISIT ATTENDEES**
**RFP No. 090025**
**Wednesday, March 11, 2009**

| REPRESENTATIVE | COMPANY NAME & ADDRESS | TELEPHONE NUMBERS |
|---|---|---|
| Bob Midolo<br>bob.midolo@thyssenkrupp.com<br><br>John Morgan<br>john.morgan@thyssenkrupp.com | ThyssenKrupp Elevator<br>9001 Fifty-First Place<br>College Park, MD 20740 | (301) 345-6400 |
| Robert Cook<br>rcook@vtselevators.com<br><br>John Naughton<br>jnaughton@vtselevator.com | Vertical Transportation Specialists (VTS Elevator)<br>5414 Oakwood Road<br>Alexandria, VA 22310 | (703) 313-0200<br><br>Cell: (703) 449-1713<br><br>Cell: (703) 449-1981 |
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| Keith Mitchell<br>kmitchell@delawareelevator.com | Delaware Elevator<br>509 Commerce Drive<br>Upper Marlboro, MD 20774 | (301) 218-3750<br>Cell: (443) 497-0464<br>Fax: (301) 218-3751 |
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| Charlie Aquilina | AOC - Elevator Engineer | |
| Wayne Russell | AOC - Project Management Division | |
| Mark Schultzaberger | AOC - Capitol Elevator Mechanic Supervisor | |